

We claim:

1. The use of lysine in fungicidal formulations comprising a) at least one copper salt as fungicide to increase the fungicidal action of the copper.

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2. The use according to claim 1, wherein at least one copper salt is treated with lysine.

10 3. The use according to claim 1 or 2, wherein the ratio of lysine to copper is from 100:1 to 1:20.

4. The use according to claims 2 to 3, wherein, besides at least one copper salt and lysine,

15 b) a solvent or solvent mixture, or

c) a basic nitrogen compound, or

d) at least one further fungicidal active ingredient, or

20 e) adjuvants which are suitable for the formulation, or

f) a combination of at least two of the components mentioned under b) to e)

25 are used as further components.

5. The use according to claims 1 to 4, wherein the weight ratios of copper salt and lysine are from 1:7 to 10:1, based on copper.

30 6. A fungicidal composition comprising at least one copper salt and lysine in weight ratios of from 1:7 to 10:1, based on copper, and additionally comprising solvent or solvent mixture and suitable adjuvants.

35 7. The fungicidal composition according to claim 6, additionally comprising a basic nitrogen compound in 1 to 10 mol equivalents, based on copper.

8. The fungicidal composition according to claim 6, comprising

40 a') lysine, at least one copper salt and at least one further fungicidal active ingredient, and

- b') a solvent or solvent mixture or
- c') a basic nitrogen compound, or
- 5 d') adjuvants which are suitable for the formulation, or
- v') a combination of at least two of the components mentioned under b) to d).

9. A method for the preparation of a fungicidal formulation according to claim 8,  
10 wherein either

- a) copper and basic amino acids together are treated with at least one further fungicidal active ingredient and with adjuvants which are suitable for the formulation, and the mixture is formulated in a known manner; or
- 15 b) an agrochemical formulation comprising copper as the only fungicidal active ingredient is treated with basic amino acids and with at least one further fungicidal active ingredient and with adjuvants which are suitable for the formulation, and the mixture is formulated in the known manner; or
- 20 c) an agrochemical formulation comprising copper as the only fungicidal active ingredient is treated with basic amino acids and with an agrochemical formulation of a further fungicidal active ingredient which comprises no copper or lysine; or
- 25 d) a copper-containing agrochemical formulation which, besides copper, comprises at least one further fungicidal active ingredient is treated with basic amino acids.

30 10. A method for controlling phytopathogenic fungi, which comprises applying a fungicidal formulation comprising lysine and at least one copper salt or a fungicidal formulation according to any of claims 6 to 8 or to the pest in question or to the materials, plants, soil and seed to be protected from the pest in question.

35 11. Seed comprising a copper/lysine mixture according to the invention in an amount of from 0.1 to 2.5 kg/100 kg.

12. A material, in particular timber, comprising copper and lysine in an amount of  
40 from 0.0001 g to 2 kg per cubic meter.